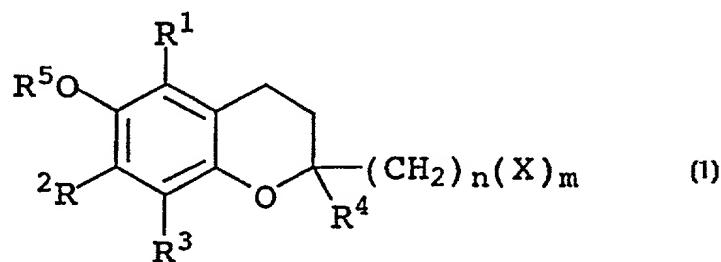


(51) 国際特許分類7 A61K 31/7048, A61P 9/10		A1	(11) 国際公開番号 WO00/45824
			(43) 国際公開日 2000年8月10日(10.08.00)
(21) 国際出願番号 PCT/JP00/00531			(74) 代理人 八田幹雄, 外(HATTA, Mikio et al.) 〒102-0084 東京都千代田区二番町11番地9 ダイアパレス二番町 Tokyo, (JP)
(22) 国際出願日 2000年2月1日(01.02.00)			
(30) 優先権データ 特願平11/25392 1999年2月2日(02.02.99)	JP		(81) 指定国 AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG), ARIPO特許 (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)
(71) 出願人 (米国を除くすべての指定国について) シーシーアイ株式会社(CCI CORPORATION)[JP/JP] 〒501-3923 岐阜県関市新迫間12番地 Gifu, (JP)			
(71) 出願人 ; および 吉川敏一(YOSHIKAWA, Toshikazu)[JP/JP] 〒611-0013 京都府宇治市菟道荒横1-51 Kyoto, (JP)			
(72) 発明者 ; および 村瀬博宣(MURASE, Hironobu)[JP/JP] 〒502-0071 岐阜県岐阜市長良2435番地の178 Gifu, (JP)			
(75) 発明者／出願人 (米国についてのみ) 吉田憲正(YOSHIDA, Norimasa)[JP/JP] 〒606-0831 京都府京都市左京区下鴨北園町76 Kyoto, (JP)			
			添付公開書類 国際調査報告書

(54) Title: PREVENTIVE AND THERAPEUTIC AGENTS FOR ARTERIOSCLEROSIS

(54) 発明の名称 動脈硬化症予防および治療剤

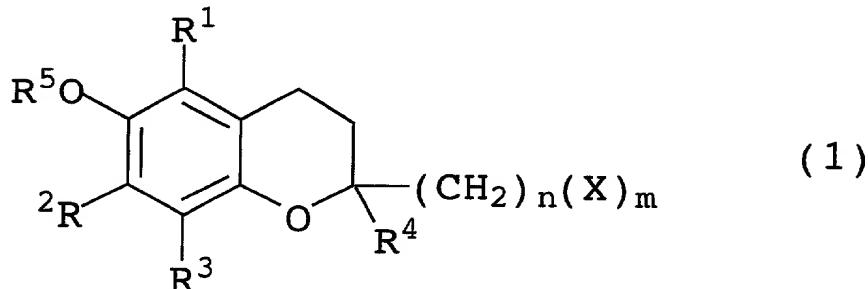


(57) Abstract

Preventive and therapeutic agents for arteriosclerosis, containing as the active ingredient chromanol glycosides represented by formula (1) (wherein R¹, R², R³ and R⁴ are each independently hydrogen or lower alkyl; R⁵ is hydrogen, lower alkyl or lower acyl; X is a mono- or oligosaccharide residue whose hydroxyl hydrogen atoms may be replaced by lower alkyl or lower acyl; n is an integer of 0 to 6; and m is an integer of 1 to 6). These agents are safe and act effectively on an affected part even when applied in a small dose, thus being efficacious in preventing or treating arteriosclerosis.

ABSTRACT

This invention concerns an agent for preventing and curing arteriosclerosis, which has as an active component thereof a chromanol glucoside represented by the following
5 general formula (1)



(wherein R¹, R², R³, and R⁴ are the same or different and are each a hydrogen atom or a lower alkyl group, R⁵ is a hydrogen atom, a lower alkyl group, or a lower acyl group, X is a monosaccharide residue or an oligosaccharide residue optionally having a lower alkyl group or a lower acyl group substitute for the hydrogen atom of the hydroxyl group in the saccharide residue, n is an integer in the range of 0

10 - 6, and m is an integer in the range of 1 - 6). This agent is capable of effectively acting on the affected part safety at a small application rate and preventing and curing arteriosclerosis.